

· Add a permission ✓ Grant admin consent for [redacted]

| API / Permissions name       | Type        | Description                                     | Admin consent req... | Status    |
|------------------------------|-------------|---|----------------------|-----------|
| ▼ Microsoft Graph (3)        |             |   |                      |           |
| Directory.Read.All           | Application | Read directory data                             | Yes                  | ✓ Granted |
| Group.Read.All               | Application | Read all groups                                 | Yes                  | ✓ Granted |
| TeamSettings.ReadWrite       | Application | Read and change all teams' settings             | Yes                  | ✓ Granted |
| ▼ Office 365 Exchange Online |             |   |                      |           |
| full_access_as_app           | Application | Use Exchange Web Services with full access t... | Yes                  | ✓ Granted |
| ▼ SharePoint (2)             |             |   |                      |           |
| Sites.FullControl.All        | Application | Have full control of all site collections       | Yes                  | ✓ Granted |
| User.Read.All                | Application | Read user profiles                              | Yes                  | ✓ Granted |

VEEAM

# Updating Microsoft 365 Permissions for Veeam Backup for Office 365 v5

MAY 20, 2021 · BY JIM JONES · NO COMMENTS

Dealing with Microsoft API permissions has long been one of the hard parts of working extensively with [Veeam Backup for Office 365](#). They tend to change fairly often and with little notice, leaving [Veeam](#) and other backup service providers for [Microsoft365](#) in the enviable spot of needing to chase these permissions with their applications.

Veeam recently released version 5 of their M365 backup product and while the requirements are mostly the same permissions wise as they were in version 4 I've found there are a couple that potentially v4 was able to work without having in place due to other legacy setups that now don't work in v5. My specific issue results in any Exchange Online jobs returning with the following error:

***Processing mailbox XXXX failed with error: The remote server returned an error: (401) Unauthorized.***

Fixing this requires adding the "full\_access\_as\_app" permission but getting to that point is a bit more complicated for those not familiar with azure AD apps. This post will show you how to get to your existing Veeam Backup for Office 365 Azure app registration and verify that all of the necessary permissions have been added.

1. Connect to <https://portal.azure.com> and login with your global administrator permissions

1. Connect to <https://portal.azure.com> and login with your global administrator permissions
2. Navigate to Azure Active Directory and then app registrations
3. Click on your current app registration used for Veeam Backup for O365
4. Select API permissions. Once there the desired state for Veeam Backup for Office 365 currently is
  - Microsoft Graph
    - Directory.Read.All
    - Group.Read.All
    - Sites.ReadWrite.All
    - **TeamSettings.ReadWrite.All**
  - Office 365 Exchange Online
    - **full\_access\_as\_app**
  - Sharepoint
    - Sites.FullControl.All
    - User.Read.All
5. If you have performed the v5 upgrade and your backups are currently failing the bolded permissions above may likely be missing and you will need to add them. When done adding your API permissions window should look like this

+ Add a permission    ✓ Grant admin consent for [App Name]

| API / Permissions name     | Type        | Description                                      | Admin consent req... | Status                 |
|----------------------------|-------------|--|----------------------|------------------------|
| Microsoft Graph (3)        |             |  |                      |                        |
| Directory.Read.All         | Application | Read directory data                              | Yes                  | Granted for [App Name] |
| Group.Read.All             | Application | Read all groups                                  | Yes                  | Granted for [App Name] |
| TeamSettings.ReadWrite     | Application | Read and change all teams' settings              | Yes                  | Granted for [App Name] |
| Office 365 Exchange Online |             |  |                      |                        |
| <b>FullAccessAsApp</b>     | Application | Use Exchange Web Services with full access to... | Yes                  | Granted for [App Name] |
| SharePoint (2)             |             |  |                      |                        |
| Sites.FullControl.All      | Application | Have full control of all site collections        | Yes                  | Granted for [App Name] |
| User.Read.All              | Application | Read user profiles                               | Yes                  | Granted for [App Name] |

## 6. To add permissions you will need to

1. click the "+ Add a permission" button
2. click the tile for the necessary API group (Graph, Office 365 Exchange Online)

\* For the Office 365 Exchange Online direct access has been deprecated by Microsoft. In that case you will

need to choose the “API my organization uses and search for “Office 365 Exchange” to find it. This looks like

## Request API permissions

Select an API

Microsoft APIs   APIs my organization uses   My APIs

Apps in your directory that expose APIs are shown below

| Name                       |
|----------------------------|
| Office 365 Exchange Online |

3. Choose “Application permissions”

4. Check the box for the permission you are requesting and click “Add permissions”

Office 365 Exchange Online  
https://outlook.officeapps.com

What type of permissions does your application require?

Delegated permissions  
Your application needs to access the API as the signed-in user.

Application permissions  
Your application runs as a background service or daemon without a signed-in user.

Select permissions expand all

Start typing a permission to filter these results

| Permission  | Admin consent required |
|---|------------------------|
| <input checked="" type="checkbox"/> Full access as app<br>Use Exchange Web Services with full access to all mailboxes | Yes                    |
| > Calendars   |                        |
| > Contacts  |                        |

[Add permissions](#) [Discard](#)

7. After adding permissions you will need to click the “Grand admin consent for <your organization>” button to complete adding the permissions for your organization.

It is worth noting that for future reference the documentation for Veeam required permissions for Veeam Backup for Office 365 modern authentication with legacy protocols allowed is located at

[https://helpcenter.veeam.com/docs/vbo365/guide/ad\\_app\\_permissions\\_legacy.html?ver=50](https://helpcenter.veeam.com/docs/vbo365/guide/ad_app_permissions_legacy.html?ver=50). As these permissions are changed by Microsoft from time to time it is worth noting this link.

## Like this:

HOW TO

VBO

VEEAM

SHARE:

